



PHEND & BROWN, INC. CONTRACTORS AND ENGINEERS

General Highway and Heavy Construction Since 1922

January 20, 2017

Indiana Department of Environmental Management
Compliance and Enforcement Branch - Office of Air Quality
100 N Senate Avenue MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Received
State of Indiana

JAN 26 2017

1-23

Dept of Environmental Management
State of Indiana

Re: FESOP Quarterly Report Revisions
049-23315-03137

While preparing the 4th quarter reports several mathematical errors were discovered. Some of these errors have been carried forward for several quarters. The values that were corrected are in all cases still below the limit for each parameter of the permit. Below is a summary table listing the specific report pages and the quarters that have been corrected. The corrected report pages are enclosed for your use. These pages have also been placed in our file and on location at our facility. If there are any questions please contact Andrew Schouten 574-658-4166 or arschouten@phend-brown.com at your convenience.

FESOP 049-23315-03137

<u>Page #</u>	<u>Description</u>	<u>Quarters Corrected</u>
46 of 52	Asphalt Production	3-2016, 2-2016, 1-2016 4-2015, 3-2015,
50 of 52	VOC Emissions	3-2016, 2-2016, 1-2016, 4-2015, 3-2015, 2-2015, 1-2015 4-2014, 3-2014, 2-2014, 1-2014 4-2013

Sincerely,

Andrew R Schouten, PE
Project Manager

enclosures

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE and ENFORCEMENT BRANCH

FESOP Quarterly Report

Source Name: Phend & Brown Inc.
Source Address: 3394 South 1600 East, Silver Lake, Indiana 46982
FESOP Permit No.: F049-23315-03137
Facility: Mixer and Dryer
Parameter: Asphalt Production
Limit: 473,500 tons per 12 consecutive month period with compliance determined at the end of each month.

Quarter: 3rd

Year: 2016

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
July	3,940.86	46,122.2 69,206.18	50,563.1 73,147.04
August	1,674.14	45,754.7 67,838.64	46,928.8 69,512.78
September	7,305.14	29,414.4 51,998.38	36,719.5 59,303.52

☒ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on _____

Submitted By: Andrew R Schouten

Title/Position: Project Manager

Signature: AR Schouten

Date: October 26, 2016

Phone: 574-658-4166

ARZ
01/20/2017

Phend & Brown, Inc.
Silver Lake, Indiana
Permit Reviewer: Lek R. Traivaranon

Second Significant Permit Revision No.: 049-34957-03137
Revised by: Tamera Wessel

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F049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE and ENFORCEMENT BRANCH

FESOP Quarterly Report

Source Name: Phend & Brown Inc.
Source Address: 3394 South 1600 East, Silver Lake, Indiana 46982
FESOP Permit No.: F049-23315-03137
Facility: Mixer and Dryer
Parameter: Asphalt Production
Limit: 473,500 tons per 12 consecutive month period with compliance determined at the end of each month.

Quarter: 2nd

Year: 2016

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
April	2,822.67	53,097.4 75,681.38	55,920.1 78,504.05
May	3,565.70	47,529.1 70,113.05	51,094.8 73,678.75
June	4,468.43	47,659.4 70,223.35	52,107.8 74,691.78

☒ X No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on _____

Submitted By: Andrew R Schouten

Title/Position: Project Manager

Signature: 

Date: July 12, 2016

Phone: 574-658-4166

Handwritten: 01/20/2017
Handwritten: A2S

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE and ENFORCEMENT BRANCH**

FESOP Quarterly Report

Source Name: Phend & Brown Inc.
Source Address: 3394 South 1600 East, Silver Lake, Indiana 46982
FESOP Permit No.: F049-23315-03137
Facility: Mixer and Dryer
Parameter: Asphalt Production
Limit: 473,500 tons per 12 consecutive month period with compliance determined at the end of each month.

Quarter: 1stYear: 2016

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
January	0.00	80,123.88 57,539.9	80,123.88 57,539.9
February	0.00	80,123.88 57,539.9	80,123.88 57,539.9
March	0.00	80,123.88 57,539.9	80,123.88 57,539.9

☒ No deviation occurred this month.☐ Deviation/s occurred in this month.

Deviation has been reported on _____

Submitted By: Andrew R Schouten

Title/Position: Project Manager

Signature: ARSDate: 04/05/2016Phone: 574-658-416601/20/2017

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE and ENFORCEMENT BRANCH

Fesop Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
FESOP Permit No.: F049-23315-03137
Facility : Mixer and Dryer
Parameter : **Ashalt Production**
Limits : **473,500 tons** per 12 consecutive month period with compliance determined at the end of each month.

Quarter: 4th_Quarter

Year: 2015

Month	Column 1 Asphalt Production This Month (Tons)	Column 2 Asphalt Produced Previous 11 Months (Tons)	Column 1 + Column 2 12 Month Total Asphalt Produced (Tons)
October	9967.9	67784.9 45,200.8	77752.8 55,168.7
November	2974.7	77149.2 54,852	80123.9 57,589.9
December	0.0	80123.9 57,589.9	80123.9 57,589.9

☒ No deviations occurred this month.

☐ Deviation/s occurred in this quarter.
Deviation/s has been reported on: _____

Submitted by:
Title/Position:
Signature:
Date:
Phone:

Don R. Miller
DHS, LLC
Don R. Miller
1/26/2016
574-527-8390 (Cell), 574-893-7439, (plant)

1/25
01/26/2016

Attach a signed certification to this report

Phend & Brown, Inc.
Silver Lake, Indiana
Permit Reviewer: Lek R. Traivaranon

Second Significant Permit Revision No.: 049-34957-03137
Revised by: Tamera Wessel

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FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE and ENFORCEMENT BRANCH

Fesop Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
FESOP Permit No.: F049-23315-03137
Facility : Mixer and Dryer
Parameter : Asphalt Production
Limits : 473,500 tons per 12 consecutive month period with compliance determined at the end of each month.

Quarter: 3rd Quarter

Year: 2015

Month	Column 1 Asphalt Production This Month (Tons)	Column 2 Asphalt Produced Previous 11 Months (Tons)	Column 1 + Column 2 12 Month Total Asphalt Produced (Tons)
July	5485.6	39748.1 27,643.9	45233.7 33,129.5
August	5308.4	43525.8 31,421.6	48834.2 36,730.0
September	17514.4	45030.6 52,926.3	62545.0 50,440.7

☒

No deviations occurred this month.

☐

Deviation/s occurred in this quarter.

Deviation/s has been reported on: _____

Submitted by:

Title/Position:

Signature:

Date:

Phone:

Don R. Miller

DHS, LLC Consulting

Don R. Miller

10/27/2015

574-527-8390 (Cell), 574-893-7439, (plant)

125
01/20/2017

Attach a signed certification to this report

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCEMENT BRANCH

FESOP Quarterly Report

Source Name: Phend & Brown Inc.
 Source Address: 3394 South 1600 East, Silver Lake, Indiana 46982
 FESOP Permit No.: F049-23315-03137
 Facility: Cold-mix asphalt production
 Parameter: Volatile Organic Compound (VOC) emissions
 Limit: VOC emissions from the sum of the binders shall not exceed 52.6 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the following equation:

$$\text{VOC Emitted} = \text{VOC solvent used for each binder (tons/yr)} / \text{Adjustment Factor}$$

Quarter: 3rd Year: 2016

Month	Type of Liquid Binder	Solvent Usage This Month (tons)	Adjustment Factor	VOC Emissions From Each Binder This Month (tons)	VOC Emissions From Cold Mix This Month (tons)	VOC Emissions From Cold Mix Previous 11 Months (tons)	VOC Emissions From Cold Mix 12 Month Total (tons)
July	Cutback - Medium Cure	0.00	1.429	0.00			
	Cutback - Slow Cure	31.95	4.000	7.99			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
		31.95			7.99	24.51	32.51
August	Cutback - Medium Cure	0.00	1.429	0.00			
	Cutback - Slow Cure	17.85	4.000	4.46			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
		17.85			4.46	31.07	35.57
September	Cutback - Medium Cure	0.00	1.429	0.00			
	Cutback - Slow Cure	11.99	4.000	3.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
		11.99			3.00	34.72	37.72
						29.16	32.16

☒ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: Andrew R Schouten

Title/Position: Project Manager

Signature: AR Schouten

Date: October 26, 2016

Phone: 574-658-4166

Handwritten: 10/20/2016 ARS

Phend & Brown, Inc.
Leesburg, Indiana
Permit Reviewer: Lek R. Traivaranon

Second Significant Permit Revision No.: 049-34957-03137
Revised by: Tamara Wessel

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

FESOP Quarterly Report

Source Name: Phend & Brown Inc.
Source Address: 3394 South 1600 East, Silver Lake, Indiana 46982
FESOP Permit No.: F049-23315-03137
Facility: Cold-mix asphalt production
Parameter: Volatile Organic Compound (VOC) emissions
Limit: VOC emissions from the sum of the binders shall not exceed 52.6 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, using the following equation:
VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 2nd Year: 2016

Month	Type of Liquid Binder	Solvent Usage This Month (tons)	Adjustment Factor	VOC Emissions From Each Binder This Month (tons)	VOC Emissions From Cold Mix This Month (tons)	VOC Emissions From Cold Mix Previous 11 Months (tons)	VOC Emissions From Cold Mix 12 Month Total (tons)
April	Cutback - Medium Cure	0.00	1.429	0.00			
	Cutback - Slow Cure	21.70	4.000	5.43			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
		21.70			5.43	26.46	33.88
May	Cutback - Medium Cure	0.00	1.429	0.00			
	Cutback - Slow Cure	22.71	4.000	5.68			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
		22.71			5.68	19.66	25.36
June	Cutback - Medium Cure	0.00	1.429	0.00			
	Cutback - Slow Cure	35.36	4.000	8.84			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
		35.36			8.84	19.77	28.57

☒ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: Andrew R Schouten

Title/Position: Project Manager

Signature: *ARS*

Date: July 12, 2016

Phone: 574-658-4166

7/20/2017 ARS

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR MANAGEMENT
 COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name : Phend & Brown Inc.
 Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
 Mailing Address: P. O. Box 150 Milford, Indiana 46542
 FESOP No : F 049-23315-03137
 Facility : Cold Mix Asphalt Production
 Parameter : Volatile Organic compounds (VOC) usage
 Limits : VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period, with compliance determined at the end of each month, using the following equation:

$$\text{VOC Emitted} = \text{VOC solvent used for each binder (tons/yr)} / \text{Adjustment Factor}$$

Quarter: 1st Year: 2016

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
January	Cutback - Medium Cure	0.00	1.429	0.00	0.00	38.57	38.57
	Cutback - Slow Cure	0.00	4.000	0.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
February	Cutback - Medium Cure	0.00	1.429	0.00	0.00	38.57	38.57
	Cutback - Slow Cure	0.00	4.000	0.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
March	Cutback - Medium Cure	0.00	1.429	0.00	0.00	38.57	38.57
	Cutback - Slow Cure	0.00	4.000	0.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			

☒ No deviations occurred this month.

☐ Deviation/s occurred in this quarter.
 Deviation/s has been reported on: _____

Submitted by: Andrew R. Schouten
 Title/Position: Project Manager
 Signature: [Signature]
 Date: 04/05/2016
 Phone: 574-658-4166

125
01/20/2017

Phend & Brown, Inc.
Leesburg, Indiana
Permit Reviewer: Lek R. Traivaranon

Second Significant Permit Revision No.: 049-34957-03137
Revised by: Tamera Wessel

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FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
Mailing Address: P. O. Box 150 Milford, Indiana 46542
FESOP No : F 049-23315-03137
Facility : Cold Mix Asphalt Production
Parameter : Volatile Organic compounds (VOC) usage
Limits : VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period, with compliance determined at the end of each month, using the following equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 4th Quarter Year: 2015

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
October	Cutback - Medium Cure	0.00	1.429	0.00	1.86	31.40	33.26
	Cutback - Slow Cure	7.42	4.000	1.86			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
November	Cutback - Medium Cure	0.00	1.429	0.00	0.59	32.43	33.02
	Cutback - Slow Cure	2.34	4.000	0.59			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
December	Cutback - Medium Cure	0.00	1.429	0.00	0.00	33.02	33.02
	Cutback - Slow Cure	0.00	4.000	0.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			

☒ No deviations occurred this month.

☐ Deviation/s occurred in this quarter.
Deviation/s has been reported on: _____

Submitted by: Don R. Miller
Title/Position: DHS, LLC
Signature: *Don R. Miller*
Date: 1/26/2016
Phone: 574-527-8390 (Cell), 574-893-7439, (plant)

Attach a signed certification to this report

Phend & Brown, Inc.
Leesburg, Indiana
Permit Reviewer: Lek R. Traivaranon

Second Significant Permit Revision No.: 049-34957-03137
Revised by: Tamara Wessel

Page 50 of 52
FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
Mailing Address: P. O. Box 150 Milford, Indiana 46542
FESOP No : F 049-23315-03137
Facility : Cold Mix Asphalt Production
Parameter : Volatile Organic compounds (VOC) usage
Limits : VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,
with compliance determined at the end of each month, using the following equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 3rd Year: 2015

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
July	Cutback - Medium Cure	0.00	1.429	0.00	4.06	33.92	37.92
	Cutback - Slow Cure	18.25	4.000	4.56			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
August	Cutback - Medium Cure	0.00	1.429	0.00	1.44	36.53	37.93
	Cutback - Slow Cure	5.75	4.000	1.44			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
September	Cutback - Medium Cure	0.00	1.429	0.00	0.85	37.20	38.00
	Cutback - Slow Cure	3.35	4.000	0.85			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			

☒ No deviations occurred this month.

☐ Deviation/s occurred in this quarter.

Deviation/s has been reported on: _____

Submitted by: Don R. Miller
Title/Position: DHS, LLC Consulting,
Signature: Don R. Miller
Date: 10/26/2015
Phone: 574-527-8390 (Cell), 574-893-7439, (plant)

ATS
01/20/2017

Attach a signed certification to this report

Phend & Brown, Inc.
Leesburg, Indiana
Permit Reviewer: Lek R. Traivaranon

Second Significant Permit Revision No.: 049-34957-03137
Revised by: Tamera Wessel

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FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
Mailing Address: P. O. Box 150 Milford, Indiana 46542
FESOP No : F 049-23315-03137
Facility : Cold Mix Asphalt Production
Parameter : Volatile Organic compounds (VOC) usage
Limits : VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period, with compliance determined at the end of each month, using the following equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 2nd Quarter Year: 2015

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
April	Cutback - Medium Cure	0.00	1.429	0.00	10.09	16.58	23.09
	Cutback - Slow Cure	40.95	4.000	10.09			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
May	Cutback - Medium Cure	0.00	1.429	0.00	14.22	20.07	29.63
	Cutback - Slow Cure	56.86	4.000	14.22			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
June	Cutback - Medium Cure	0.00	1.429	0.00	5.59	30.56	31.03
	Cutback - Slow Cure	22.35	4.000	5.59			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			

☒ No deviations occurred this month.

☐ Deviation/s occurred in this quarter.

Deviation/s has been reported on: _____

Submitted by: Don R. Miller
Title/Position: DHS, LLC
Signature: *Don R. Miller*
Date: 7/15/2015
Phone: 574-527-8390 (Cell), 574-893-7439, (plant)

Attach a signed certification to this report

Phend & Brown, Inc.
Leesburg, Indiana
Permit Reviewer: Lek R. Traivaranon

Second Significant Permit Revision No.: 049-34957-03137
Revised by: Tamera Wessel

Page 50 of 52
FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
Mailing Address : P. O. Box 150 Milford, Indiana 46542
FESOP No : F 049-23315-03137
Facility : Cold Mix Asphalt Production
Parameter : Volatile Organic compounds (VOC) usage
Limits : VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,
with compliance determined at the end of each month, using the following equation:

VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 1st quarter Year: 2015

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
January	Cutback - Medium Cure	0.00	1.429	0.00	0.00	15.11	15.11
	Cutback - Slow Cure	0.00	4.000	0.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
February	Cutback - Medium Cure	0.00	1.429	0.00	0.00	15.11	15.11
	Cutback - Slow Cure	0.00	4.000	0.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
March	Cutback - Medium Cure	0.00	1.429	0.00	0.00	15.11	15.11
	Cutback - Slow Cure	0.00	4.000	0.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			

☒ No deviations occurred this month.

☐ Deviation/s occurred in this quarter.

Deviation/s has been reported on: _____

Submitted by: Don R. Miller
Title/Position: DHS, LLC
Signature: *Don R. Miller*
Date: 4/20/2015
Phone: 574-527-8390 (Cell), 574-893-7439, (plant)

01/20/2017 *AJS*

Attach a signed certification to this report

Phend & Brown, Inc.
Leesburg, Indiana
Permit Reviewer: Lek R. Traivaranon

Significant Revision No. 049-27942-03137
Revised by: Brian Williams

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FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
Mailing Address: P. O. Box 150 Milford, Indiana 46542
FESOP No : F 049-23315-03137
Facility : Cold Mix Asphalt Production
Parameter : Volatile Organic compounds (VOC) usage
Limits : VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period, with compliance determined at the end of each month, using the following equation:
VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 4th Year: 2014

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
October	Cutback - Medium Cure	0.00	1.429	0.00	1.10	13.19	14.29
	Cutback - Slow Cure	4.38	4.000	1.10			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
November	Cutback - Medium Cure	0.00	1.429	0.00	0.83	14.29	15.11
	Cutback - Slow Cure	3.31	4.000	0.83			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
December	Cutback - Medium Cure	0.00	1.429	0.00	0.00	15.11	15.11
	Cutback - Slow Cure	0.00	4.000	0.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			

X No deviations occurred this month.

Deviation/s occurred in this quarter.

Deviation/s has been reported on: _____

Submitted by: Don R. Miller Title/Position: DHS, LLC
Signature: [Signature] Date: 01/20/15
Phone: (574)893-7439, (574)527-8390

Attach a signed certification to this report

Phend & Brown, Inc.
Leesburg, Indiana
Permit Reviewer: Lek R. Traivaranon

Significant Revision No. 049-27942-03137
Revised by: Brian Williams

Page 50 of 52
FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
Mailing Address: P. O. Box 150 Milford, Indiana 46542
FESOP No : F 049-23315-03137
Facility : Cold Mix Asphalt Production
Parameter : Volatile Organic compounds (VOC) usage
Limits : VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,
with compliance determined at the end of each month, using the following equation:
VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 3rd 4th Year: 2014

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
July	Cutback - Medium Cure	0.00	1.429	0.00	2.24	22.84	17.20
	Cutback - Slow Cure	8.96	4.000	2.24			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
August	Cutback - Medium Cure	0.00	1.429	0.00	1.49	22.19	16.60
	Cutback - Slow Cure	5.97	4.000	1.49			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
September	Cutback - Medium Cure	0.00	1.429	0.00	0.73	21.20	15.60
	Cutback - Slow Cure	2.90	4.000	0.73			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			

X No deviations occurred this month.

Deviation/s occurred in this quarter.

Deviation/s has been reported on: _____

Submitted by: Don R. Miller Title/Position: DHS, LLC/Materials Mgr.

Signature: [Signature] Date: 10/20/14

Phone: (574)893-7436

Attach a signed certification to this report

Phend & Brown, Inc.
Leesburg, Indiana
Permit Reviewer: Lek R. Traivaranon

Significant Revision No. 049-27942-03137
Revised by: Brian Williams

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FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
Mailing Address: P. O. Box 150 Milford, Indiana 46542
FESOP No : F 049-23315-03137
Facility : Cold Mix Asphalt Production
Parameter : Volatile Organic compounds (VOC) usage
Limits : VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,
with compliance determined at the end of each month, using the following equation:
VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 2nd Year: 2014

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
April	Cutback - Medium Cure	0.00	1.429	0.00	4.08	16.35 21.97	20.43 26.07
	Cutback - Slow Cure	16.32	4.000	4.08			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
May	Cutback - Medium Cure	0.00	1.429	0.00	6.61	12.06 17.70	18.66 24.30
	Cutback - Slow Cure	26.42	4.000	6.61			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
June	Cutback - Medium Cure	0.00	1.429	0.00	3.71	15.23 20.87	18.94 24.67
	Cutback - Slow Cure	14.83	4.000	3.71			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			

X No deviations occurred this month.

Deviation/s occurred in this quarter.

Deviation/s has been reported on: _____

Submitted by: Don R. Miller

Title/Position:

Materials Mgr. / DHS, LLC

Signature: Don R. Miller

Date: 7/23/14

ca/20/2017 h25

Phone:

(574) 527-8390

(574) 458-2956

Attach a signed certification to this report

Attach a signed certification to this report

Phend & Brown, Inc.
Leesburg, Indiana
Permit Reviewer: Lek R. Traivaranon

Significant Revision No. 049-27942-03137
Revised by: Brian Williams

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FESOP No. F 049-23315-03137

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT
COMPLIANCE AND ENFORCEMENT BRANCH

Multiple Liquid Binder Solvent Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
Mailing Address: P. O. Box 150 Milford, Indiana 46542
FESOP No : F 049-23315-03137
Facility : Cold Mix Asphalt Production
Parameter : Volatile Organic compounds (VOC) usage
Limits : VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period, with compliance determined at the end of each month, using the following equation:
VOC Emitted = VOC solvent used for each binder (tons/yr) / Adjustment Factor

Quarter: 1st Year: 2014

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
January	Cutback - Medium Cure	0.00	1.429	0.00			
	Cutback - Slow Cure		4.000		0.00		
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00		28.30	28.30
February	Cutback - Medium Cure	0.00	1.429	0.00			
	Cutback - Slow Cure		4.000		0.00		
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00		28.30	28.30
March	Cutback - Medium Cure	0.00	1.429	0.00			
	Cutback - Slow Cure		4.000		0.00		
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00		28.30	28.30

X No deviations occurred this month.

Deviation/s occurred in this quarter.

Deviation/s has been reported on: _____

Submitted by: Don R. Miller Title/Position: Materials Mgr.

Signature: Don R. Miller Date: 04/25/14

Phone: (574)527-8390

Attach a signed certification to this report

Page 50 of 52
FESOP No. F 049-23315-03137

Multiple Liquid Binder Solvent Quarterly Report

Source Name : Phend & Brown Inc.
Source Address : 3394 South 1600 East, Silver Lake, Indiana 46982
Mailing Address: P. O. Box 150 Milford, Indiana 46542
FESOP No : F 049-23315-03137
Facility : Cold Mix Asphalt Production
Parameter : Volatile Organic compounds (VOC) usage
Limits : VOC emissions from the sum of the binders shall not exceed 52.6 tons per (per twelve (12) consecutive month period,
with compliance determined at the end of each month, using the following equation:
$$\text{VOC Emitted} = \text{VOC solvent used for each binder (tons/yr)} / \text{Adjustment Factor}$$

Quarter: 4th Year: 2013

Month	Type of Liquid Binder	Solvent Used This Month (Tons)	Adjustment Factor (Divisor)	VOC Emissions From Each Binder This Month (Tons)	VOC Emissions from Cold Mix this Month (Tons)	VOC Emission from Cold Mix Previous 11 Months (Tons)	VOC Emissions from Cold Mix-12 Month Total (Tons)
October	Cutback - Medium Cure	0.00	1.429	0.00	3.14	24.57 26.47	27.74 29.57
	Cutback - Slow Cure	12.55	4.000	3.14			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
November	Cutback - Medium Cure	0.00	1.429	0.00	0.00	22.70 28.30	22.70 28.30
	Cutback - Slow Cure	0.00	4.000	0.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			
December	Cutback - Medium Cure	0.00	1.429	0.00	0.00	22.70 28.30	22.70 28.30
	Cutback - Slow Cure	0.00	4.000	0.00			
	Emulsion	0.00	2.155	0.00			
	Other	0.00	40.000	0.00			

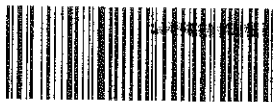
X No deviations occurred this month.

Deviation/s occurred in this quarter.

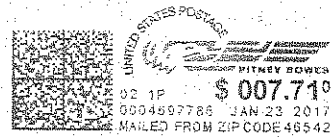
Deviation/s has been reported on:

Submitted by: Don R. Miller Title/Position: Materials Mgr.
Signature: *Don R. Miller* Date: 01/28/14
Phone: (574)453-4354

Attach a signed certification to this report

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